

Table S1. Overview of the published allometric equations for *L. decidua* biomass.

Component ¹	Diameter type ²	Biomass unit	Diameter unit	Diameter range [cm]	Height range [m] ³	Number of sample trees/pseudo observations	R ²	Equation	a	b	c	d	e	Source
ln(AB)	DBH	kg	cm	4–90	–	165	0.98	(a+b·ln(D))·c	-1.6512	2.2312	1.0292	-	-	Forrester et al. 2017
ln(ABW)	DBH	kg	cm	4–94	–	132	0.974	(a+b·ln(D))·c	-1.6828	2.2509	1.0052	-	-	Forrester et al. 2017
ln(BR)	DBH	kg	cm	4–93	–	99	0.949	(a+b·ln(D))·c	-3.7943	2.249	0.9117	-	-	Forrester et al. 2017
ln(FL)	DBH	kg	cm	4–92	–	132	0.906	(a+b·ln(D))·c	-3.8849	1.7502	0.9569	-	-	Forrester et al. 2017
ln(ST)	DBH	kg	cm	4–95	–	165	0.972	(a+b·ln(D))·c	-2.4105	2.424	1.0185	-	-	Forrester et al. 2017
ln(BR+DB)	DBH	kg	cm	4–96	–	165	0.92	(a+b·ln(D))·c	-3.2409	2.1412	0.9673	-	-	Forrester et al. 2017
ln(DB)	DBH	kg	cm	4–91	–	99	0.713	(a+b·ln(D))·c	-3.3117	1.73	1.0887	-	-	Forrester et al. 2017
AB	DBH	kg	cm	7.7–26.3	5.6–15.8	33	0.964	a+b·D ² ·H+c·D	13.245	0.0188	0.3232	-	-	Gasparini et al. 2006
ABW	DBH	kg	cm	7.7–26.1	5.6–15.6	33	0.965	a+b·D ² ·H+c·D	17.603	0.0192	-1.8211	-	-	Gasparini et al. 2006
SU	DBH	kg	cm	7.7–26.2	5.6–15.7	33	0.807	a+b·D ² ·H+c·D	-0.4394	0.0001	1.5787	-	-	Gasparini et al. 2006
log10(BR)	DBH	kg	cm	10–30	–	10	0.964	a+b·log10(D)	-3.257	3.423	-	-	-	Gower et al. 1993
log10(FL)	DBH	kg	cm	10–30	–	10	0.907	a+b·log10(D)	-3.308	2.912	-	-	-	Gower et al. 1993
log10(ST)	DBH	kg	cm	10–30	–	15	0.974	a+b·log10(D)	-0.605	2.111	-	-	-	Gower et al. 1993
log10(DB)	DBH	kg	cm	10–30	–	8	0.523	a+b·log10(D)	-2.752	2.85	-	-	-	Gower et al. 1993
DB	DBH	kg	cm	5–90	–	53	0.76	a·D ² +b·D·H+c·H ²	0.0303	-0.082	0.0644	-	-	Minerbi and Cescatti 2015
BR	DBH	kg	cm	5–90	–	20	0.87	a·D ²	0.0681	-	-	-	-	Minerbi and Cescatti 2015
FL	DBH	kg	cm	5–90	–	20	0.86	a·D·H	0.0095	-	-	-	-	Minerbi and Cescatti 2015
ST	DBH	kg	cm	5–90	–	53	0.98	a·D ² H+b·D·H	0.0116	0.1691	-	-	-	Minerbi and Cescatti 2015
RC	DBH	kg	cm	5–90	–	4	0.99	a·D ² H ²	0.0004	-	-	-	-	Minerbi and Cescatti 2015
DB	DBH	kg	cm	5–24	–	7	0.845	a·D ^b	0.1183	1.4912	-	-	-	Novák et al. 2011
BR	DBH	kg	cm	5–24	–	7	0.993	a·D ^b	0.028	2.1982	-	-	-	Novák et al. 2011
FL	DBH	kg	cm	5–24	–	7	0.984	a·D ^b	0.0279	1.8004	-	-	-	Novák et al. 2011
SB	DBH	kg	cm	5–24	–	7	0.996	a·D ^b	0.0066	2.4202	-	-	-	Novák et al. 2011
SW	DBH	kg	cm	5–24	–	7	0.996	a·D ^b	0.0544	2.4202	-	-	-	Novák et al. 2011
AB	DRC	g	mm	0.3–5.9	2.05–4.9	131	0.949	a·D ^b	0.256	2.294	-	-	-	Pajtk et al. 2015
AB	-	g	mm	0.3–5.9	2.05–4.9	131	0.896	a·H ^b	92.346	2.897	-	-	-	Pajtk et al. 2015
BR	DRC	g	mm	0.3–5.9	2.05–4.9	131	0.921	a·D ^b	0.09	2.34	-	-	-	Pajtk et al. 2015
BR	-	g	mm	0.3–5.9	2.05–4.9	131	0.87	a·H ^b	35.938	2.969	-	-	-	Pajtk et al. 2015
FL	DRC	g	mm	0.3–5.9	2.05–4.9	131	0.901	a·D ^b	0.108	2.053	-	-	-	Pajtk et al. 2015
FL	-	g	mm	0.3–5.9	2.05–4.9	131	0.83	a·H ^b	26.109	2.414	-	-	-	Pajtk et al. 2015
RC	DRC	g	mm	0.3–5.9	2.05–4.9	131	0.9	a·D ^b	0.021	2.46	-	-	-	Pajtk et al. 2015

RC	-	g	mm	0.3–5.9	2.05–4.9	131	0.832	$a \cdot H^b$	10.54	3.176	-	-	-	Pajtik et al. 2015
ST	DRC	g	mm	0.3–5.9	2.05–4.9	131	0.949	$a \cdot D^b$	0.09	2.337	-	-	-	Pajtik et al. 2015
ST	-	g	mm	0.3–5.9	2.05–4.9	131	0.916	$a \cdot H^b$	33.714	3.006	-	-	-	Pajtik et al. 2015
TB	DRC	g	mm	0.3–5.9	2.05–4.9	131	0.949	$a \cdot D^b$	0.269	2.319	-	-	-	Pajtik et al. 2015
TB	-	g	mm	0.3–5.9	2.05–4.9	131	0.893	$a \cdot H^b$	102.429	2.934	-	-	-	Pajtik et al. 2015
BR	DBH	kg	cm	4–90	4.6–30	28	0.89	$\exp(a+b \cdot \ln(D)) \cdot c$	-3.003	2.093	1.147	-	-	Rubatscher et al. 2006
ln(CR)	DBH	kg	cm	4–90	4.6–30	28	0.894	$a+b \cdot \ln(D)+c \cdot \ln(H)$	-2.219	2.555	-0.748	-	-	Rubatscher et al. 2006
ln(CR)	DBH	kg	cm	4–90	4.6–30	28	0.886	$a+b \cdot \ln(D)$	-2.614	2.019	-	-	-	Rubatscher et al. 2006
ST	DBH	kg	cm	4–90	4.6–30	28	0.848	$\exp(a+b \cdot \ln(D)) \cdot c$	-3.1	2.6	1.05	-	-	Rubatscher et al. 2006
FL	DBH	kg	cm	4–90	4.6–30	28	0.848	$\exp(a+b \cdot \ln(D)) \cdot c$	-3.201	1.578	1.137	-	-	Rubatscher et al. 2006
AB	DBH	kg	cm	4–90	4.6–30	28	0.848	$\exp(a+b \cdot \ln(D)) \cdot c$	-2.1	2.4	1.05	-	-	Rubatscher et al. 2006
AB	DBH	kg	cm	6.2–90	5.3–35.8	45	0.943	$a+b \cdot D^2 \cdot H+c \cdot D$	-14.06	0.0147	3.2309	-	-	Tabacchi et al. 2011
mABW	DBH	kg	cm	6.2–90	5.3–35.6	45	0.96	$a+b \cdot D^2 \cdot H+c \cdot D$	-2.4433	0.0151	0.6278	-	-	Tabacchi et al. 2011
SU	DBH	kg	cm	6.2–90	5.3–35.7	45	0.789	$a+b \cdot D^2 \cdot H+c \cdot D$	-1.312	0	0.2482	-	-	Tabacchi et al. 2011
AB ⁴	DBH	kg	cm	-	-	420	-	$\exp \cdot (a+b \cdot \ln(D))$	-1.94	2.258	-	-	-	Usol'tsev et al. 2017
AB ⁵	DBH	kg	cm	-	-	44	0.988	$\exp \cdot (a+b+c \cdot \ln(D)+d \cdot \ln(H)+e \cdot \ln(D) \cdot \ln(H))$	-1.49	-0.0209	1.604	-0.0083	0.189	Usol'tsev et al. 2017
AB ⁴	DBH	kg	cm	-	-	420	-	$\exp \cdot (a+b \cdot \ln(D)+c \cdot \ln(H)+d \cdot \ln(D) \cdot \ln(H))$	-1.49	1.603	-0.0083	0.189	-	Usol'tsev et al. 2017
AB ⁵	DBH	kg	cm	-	-	44	0.98	$\exp \cdot (a+b+c \cdot \ln(D))$	-1.94	0.0607	2.258	-	-	Usol'tsev et al. 2017

1 – component: AB – aboveground biomass, ABW – aboveground woody biomass, BR – living branches, DB – dead branches, FL – foliage, CR – crown (BR+FL), mABW – merchantable part of ABW (>5 cm diameter), RC – coarse roots (>2 mm diameter), SB – stem bark, SW – stem wood, ST – stem (SB+SW), SU – stump, TB – total biomass (aboveground and belowground); 2 – diameter type: DBH – diameter at breast height (1.3 m), DRC – diameter at root collar (ground level), (-) – models based only on height; 3 – in all cases height unit is m; 4 – models for six larch species from whole Eurasia; 5 – models for *L. decidua* and *L. sukacewii*.

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Table S2. Dry weights of sample tree biomass components and specific gravities (calculated as wood mass divided by stem volume).

Age	Tree number	d1.3 [cm]	h [m]	SW [kg]	SB [kg]	ST [kg]	BR [kg]	mABW [kg]	ABW [kg]	FL [kg]	AB [kg]	V tree [m ³]	V mABW[m ³]	Specific gravity [kg m ⁻³]
7	1	5.15	5.26	2.116	0.369	2.485	3.048	1.572	5.533	0.839	6.373	0.0092	0.0056	281.5
7	2	4.75	5.10	1.447	0.390	1.837	1.378	0.000	3.215	0.515	3.730	0.0076	0.0000	NA
7	3	4.35	4.90	1.225	0.345	1.570	1.030	0.000	2.600	0.533	3.133	0.0057	0.0000	NA
7	4	4.05	4.20	0.774	0.228	1.001	0.905	0.000	1.906	0.349	2.255	0.0045	0.0000	NA
7	5	2.40	3.56	0.491	0.125	0.616	0.606	0.000	1.222	0.261	1.483	0.0025	0.0000	NA
7	6	2.20	3.16	0.437	0.129	0.566	0.374	0.000	0.940	0.154	1.094	0.0020	0.0000	NA
7	7	2.60	3.33	0.397	0.106	0.503	0.318	0.000	0.821	0.137	0.958	0.0020	0.0000	NA
7	8	1.90	2.70	0.248	0.074	0.322	0.181	0.000	0.503	0.114	0.617	0.0009	0.0000	NA
17	1	19.20	17.19	75.455	12.504	87.959	14.629	74.363	102.588	4.851	113.557	0.2567	0.2286	325.4
17	2	16.75	16.15	60.300	8.822	69.122	13.604	60.215	82.725	3.618	97.018	0.2103	0.1881	320.2
17	3	15.80	16.09	48.992	7.029	56.021	13.699	50.468	69.720	2.889	75.732	0.1831	0.1698	297.3
17	4	14.15	16.30	49.781	5.851	55.632	9.977	50.607	65.608	2.239	77.148	0.1540	0.1408	359.5
17	5	14.00	15.32	43.740	4.417	48.157	8.603	45.781	56.759	1.782	65.779	0.1371	0.1279	357.9
17	6	12.80	16.31	36.404	5.136	41.540	6.385	35.439	47.925	2.024	54.133	0.1251	0.1088	325.9
17	7	11.15	13.18	21.485	3.533	25.018	3.903	20.725	28.920	1.137	32.834	0.0858	0.0714	290.4
17	8	9.50	13.52	19.786	2.335	22.121	2.780	18.195	24.901	0.834	27.524	0.0597	0.0474	383.6
27	1	25.60	22.74	206.922	24.720	231.642	33.650	204.510	265.292	7.722	288.829	0.5565	0.5090	401.8
27	2	23.20	21.90	189.876	20.315	210.191	18.944	189.831	229.136	6.430	240.956	0.5159	0.4722	402.0
27	3	20.35	18.77	104.084	12.545	116.628	13.654	105.070	130.283	4.446	144.897	0.3328	0.3077	341.4
27	4	19.90	20.26	115.496	13.448	128.944	13.121	112.656	142.065	4.569	149.829	0.3495	0.3122	360.9
27	5	18.20	20.17	96.540	11.868	108.409	12.093	93.790	120.502	3.573	129.593	0.2912	0.2597	361.1
27	6	15.95	18.97	66.318	10.246	76.564	5.087	65.320	81.651	1.461	89.589	0.2070	0.1858	351.5
27	7	14.40	19.45	55.963	8.284	64.247	5.061	56.078	69.308	1.786	72.491	0.1825	0.1667	336.5
27	8	11.35	15.38	29.497	5.777	35.274	2.761	28.147	38.034	1.026	43.397	0.0927	0.0779	361.5
34	1	27.30	21.21	251.324	28.853	280.176	44.455	250.394	324.631	7.431	342.341	0.6722	0.6141	407.8
34	2	24.20	21.86	199.343	23.029	222.373	24.559	199.612	246.932	3.648	261.455	0.5399	0.4957	402.7
34	3	23.30	22.42	188.655	27.674	216.329	26.044	188.757	242.372	4.104	252.575	0.4962	0.4558	414.1
34	4	22.30	21.19	148.105	18.720	166.824	22.807	148.432	189.632	3.914	203.117	0.4472	0.4113	360.9
34	5	21.80	20.37	148.069	13.864	161.934	17.196	148.090	179.129	4.577	192.973	0.4153	0.3822	387.5
34	6	20.30	18.70	117.632	14.827	132.459	14.582	117.441	147.040	2.494	160.898	0.3350	0.3032	387.3
34	7	19.80	19.02	105.634	15.309	120.942	10.041	105.565	130.983	2.271	140.924	0.3231	0.2923	361.1
34	8	17.35	17.85	61.507	14.453	75.960	12.000	61.535	87.960	2.570	94.613	0.2333	0.2047	300.7
46	1	41.80	29.50	624.699	65.350	690.049	104.855	618.415	794.903	22.931	846.394	1.7412	1.6317	379.0
46	2	39.10	29.08	618.261	68.278	686.539	62.919	610.092	749.458	12.687	776.295	1.7508	1.6310	374.1
46	3	36.45	27.75	443.766	56.842	500.607	54.220	442.290	554.828	12.352	592.190	1.3586	1.2728	347.5
46	4	34.05	27.39	392.858	47.677	440.535	65.628	392.318	506.164	11.240	538.023	1.1354	1.0632	369.0
46	5	32.35	24.75	337.373	35.167	372.540	49.695	336.936	422.236	9.745	468.080	1.0360	0.9653	349.0
46	6	31.20	29.73	404.971	46.129	451.100	29.663	402.796	480.763	8.086	524.105	1.1423	1.0739	375.1
46	7	29.60	24.74	234.119	33.645	267.764	43.404	233.963	311.168	8.552	348.355	0.8237	0.7665	305.2

46	8	27.10	26.47	259.913	31.255	291.167	31.897	257.692	323.064	7.116	334.646	0.7929	0.7400	348.2
59	1	47.30	32.41	1020.447	103.807	1124.254	156.184	1017.041	1280.437	12.030	1413.424	2.7504	2.5995	391.2
59	2	41.85	30.70	717.807	90.339	808.146	75.680	718.994	883.826	12.477	919.057	2.1018	1.9835	362.5
59	3	38.70	33.00	660.357	75.581	735.938	51.159	698.038	787.097	6.549	819.559	2.0200	1.8974	367.9
59	4	37.10	29.80	713.198	68.185	781.382	68.108	707.259	849.491	10.773	933.797	1.6825	1.5709	450.2
59	5	32.65	29.83	429.382	56.813	486.195	22.366	424.694	508.561	5.045	519.249	1.1609	1.0800	393.2
59	6	30.05	31.70	491.655	42.233	533.888	22.042	489.600	555.931	4.928	562.753	1.1983	1.1283	433.9
59	7	27.45	31.20	376.167	35.542	411.709	8.111	376.177	419.820	1.858	421.860	1.0007	0.9428	399.0
59	8	22.90	28.41	203.727	24.126	227.853	8.003	204.794	235.856	2.455	238.751	0.5694	0.5333	384.0
68	1	38.90	26.25	522.352	61.166	583.519	79.863	517.568	663.381	6.553	679.035	1.4505	1.3490	383.7
68	2	34.90	28.45	540.167	80.019	620.186	45.810	541.200	665.996	8.133	675.056	1.4369	1.3519	400.3
68	3	33.60	27.13	503.449	66.649	570.098	45.396	503.668	615.494	4.957	626.988	1.2518	1.1659	432.0
68	4	30.40	25.21	349.127	41.696	390.824	39.063	350.507	429.886	5.707	437.650	0.9411	0.8764	399.9
68	5	28.25	25.67	314.646	27.206	341.853	17.769	312.618	359.622	2.970	362.801	0.8141	0.7535	414.9
68	6	27.45	25.40	298.056	40.939	338.995	15.418	298.808	354.412	3.929	361.424	0.7869	0.7334	407.4
68	7	22.85	25.00	232.880	29.442	262.322	21.189	232.954	283.510	3.717	290.065	0.5661	0.5278	441.3
68	8	20.65	22.07	162.872	19.147	182.019	11.759	163.649	193.778	1.830	195.669	0.4333	0.3998	409.3
76	1	42.30	29.60	722.902	84.595	807.497	65.124	719.590	872.621	8.406	896.771	2.0250	1.8927	380.2
76	2	37.15	28.44	565.430	66.102	631.532	44.462	564.965	675.995	4.869	687.011	1.5649	1.4638	386.0
76	3	35.60	33.70	574.835	85.065	659.901	47.845	576.000	707.746	8.688	722.890	1.6549	1.5661	367.8
76	4	33.70	30.93	546.240	48.035	594.275	47.328	546.264	641.603	8.278	653.874	1.4025	1.3201	413.8
76	5	31.70	31.21	460.150	49.285	509.435	23.332	461.426	532.767	5.768	539.728	1.1719	1.1086	416.2
76	6	30.35	30.53	516.197	45.290	561.487	30.878	515.999	592.365	6.436	601.799	1.2356	1.1632	443.6
76	7	26.85	30.77	301.599	43.391	344.990	15.071	300.722	360.061	3.722	367.387	0.8737	0.8197	366.9
76	8	24.90	29.65	259.227	28.939	288.166	19.167	258.541	307.334	4.404	315.196	0.6839	0.6419	402.7
88	1	47.70	35.10	1082.054	92.144	1174.199	78.143	1082.586	1252.342	12.546	1271.410	2.6688	2.5327	427.4
88	2	40.50	34.89	995.543	93.631	1089.174	80.181	995.912	1169.354	11.152	1229.133	2.4251	2.2972	433.5
88	3	38.60	33.58	725.441	72.375	797.816	62.053	731.459	859.870	8.246	871.122	2.0248	1.9282	379.3
88	4	37.10	33.88	666.653	59.392	726.044	36.118	666.527	762.162	6.701	773.044	1.7474	1.6506	403.8
88	5	34.10	31.03	528.004	53.283	581.288	25.440	527.122	606.727	5.063	617.908	1.4187	1.3333	395.4
88	6	30.45	31.45	459.219	40.435	499.654	28.645	464.877	528.299	4.918	535.064	1.2269	1.1651	399.0
88	7	29.10	31.25	367.513	42.380	409.893	12.233	367.378	422.126	4.070	426.333	0.9797	0.9195	399.6
88	8	25.85	32.88	332.405	33.756	366.161	6.578	330.693	372.739	1.247	373.986	0.8735	0.8180	404.2
96	1	55.40	34.97	1423.872	125.596	1549.468	168.631	1421.870	1718.099	25.701	1764.791	3.7045	3.5039	405.8
96	2	52.10	37.60	1449.983	114.608	1564.591	145.280	1445.102	1709.871	24.864	1740.721	3.9320	3.7319	387.2
96	3	49.20	37.40	1350.093	123.096	1473.189	147.210	1351.828	1620.399	27.691	1654.425	3.4208	3.2580	414.9
96	4	46.10	34.71	1063.303	78.774	1142.076	82.113	1063.239	1224.190	15.070	1245.771	2.5025	2.3826	446.3
96	5	44.90	36.83	1021.903	81.407	1103.310	62.320	1023.362	1165.630	12.096	1185.083	2.5253	2.4135	424.0
96	6	44.85	35.48	1026.917	93.582	1120.499	102.005	1019.445	1222.504	20.232	1246.357	2.5892	2.4400	417.8
96	7	41.95	33.80	750.696	67.290	817.987	58.371	758.203	876.358	9.029	891.431	2.0962	2.0021	378.7
96	8	37.00	35.81	755.342	66.742	822.084	57.769	749.976	879.853	11.726	894.075	1.9924	1.8844	398.0
106	1	53.05	35.47	1433.754	126.874	1560.628	192.907	1447.785	1753.535	26.102	1801.031	3.5385	3.3854	427.7

106	2	50.40	38.27	1501.197	125.864	1627.060	121.363	1500.942	1748.423	14.362	1800.224	3.8432	3.6556	410.6
106	3	46.80	36.50	1316.868	112.166	1429.035	99.297	1319.471	1528.332	15.030	1557.989	3.2085	3.0551	431.9
106	4	46.00	38.55	1235.453	122.008	1357.461	89.957	1232.595	1447.418	14.081	1473.412	3.2475	3.0931	398.5
106	5	42.60	39.55	1057.625	98.001	1155.625	50.650	1058.357	1206.275	9.765	1222.296	2.7966	2.6667	396.9
106	6	41.00	34.61	849.084	71.994	921.078	62.449	846.240	983.527	8.138	1010.037	2.0353	1.9219	440.3
106	7	37.15	36.77	779.792	77.537	857.328	41.859	781.907	899.187	7.461	912.325	1.9374	1.8465	423.4
106	8	31.05	34.95	527.722	49.640	577.362	27.323	532.141	604.685	4.111	614.196	1.3187	1.2461	427.0
120	1	57.90	39.12	1922.234	153.968	2076.202	214.003	1995.038	2290.205	15.851	2329.940	4.6027	4.5030	443.0
120	2	52.25	35.72	1267.256	155.811	1423.067	187.259	1261.518	1610.327	15.173	1637.897	3.3887	3.2155	392.3
120	3	50.20	37.15	1296.715	110.865	1407.579	138.695	1303.356	1546.275	14.507	1574.441	3.2956	3.1411	414.9
120	4	45.55	37.46	1363.440	153.020	1516.460	121.133	1365.310	1637.593	16.127	1660.138	3.2433	3.0825	442.9
120	5	44.10	33.70	976.087	134.158	1110.245	45.136	977.470	1155.381	6.926	1163.591	2.6783	2.5359	385.4
120	6	39.15	36.23	775.460	101.766	877.226	34.519	778.107	911.745	6.409	924.005	2.1235	2.0210	385.0
120	7	36.85	35.27	706.967	81.518	788.486	47.245	705.580	835.731	6.308	843.874	1.8148	1.7260	408.8
120	8	31.40	31.13	430.656	56.629	487.286	22.133	430.611	509.419	3.109	513.796	1.1770	1.1105	387.8

Components: AB – aboveground biomass, ABW – aboveground woody biomass (ST+BR), BR – living branches, FL – foliage, mABW – merchantable ABW, SB – stem bark, ST – stem (SB + SW), SW – stem wood.

Table S3. Site-specific allometric equations for each study plot.

Age	Component	Eq. No.	a	SE	b	SE	c	SE	RMSE	r ²
7	AB	9	0.2690	0.3640	361.2148	47.3346	-	-	<0.001	0.907
7	ABW	3	0.0385	0.0401	2.9455	0.6693	-	-	0.427	0.894
7	BR	1	0.0002	0.0005	5.7689	1.4919	-	-	0.536	0.868
7	FL	9	0.0734	0.0436	47.8095	5.6709	-	-	<0.001	0.922
7	mABW	9	-0.2212	0.2674	69.0070	34.7758	-	-	<0.001	0.396
7	SB	6	0.0051	0.0034	-0.0849	0.5904	2.7047	0.9400	<0.001	0.977
7	ST	9	0.2055	0.0848	149.8650	11.0245	-	-	<0.001	0.969
7	SW	9	0.1355	0.0904	124.9439	11.7522	-	-	<0.001	0.950
17	AB	5	173.2234	13.1100	0.8353	0.0788	-	-	0.791	0.960
17	ABW	3	0.3051	0.1290	1.9777	0.1520	-	-	0.585	0.972
17	BR	3	-42.5156	5.5634	19.6681	2.1092	-	-	<0.001	0.935
17	FL	5	8.1765	0.5114	1.1229	0.0717	-	-	0.013	0.982
17	mABW	5	111.7477	8.2545	0.8212	0.0766	-	-	0.546	0.961
17	SB	5	20.2308	1.5273	1.0921	0.0857	-	-	0.131	0.971
17	ST	5	131.1306	6.7500	0.8520	0.0539	-	-	0.205	0.981
17	SW	5	111.6773	6.9048	0.8220	0.0641	-	-	0.281	0.972
27	AB	5	193.9128	2.7086	1.0372	0.0358	-	-	0.885	0.995
27	ABW	3	0.0814	0.0456	2.5000	0.1801	-	-	0.991	0.979
27	BR	1	0.0004	0.0004	3.5199	0.3544	-	-	0.578	0.964
27	FL	2	-1.1134	0.3760	0.0136	0.0009	-	-	<0.001	0.972
27	mABW	9	-2.9221	7.4281	146.4435	8.7697	-	-	<0.001	0.979
27	SB	9	2.3309	0.5906	14.7572	0.6972	-	-	<0.001	0.987
27	ST	5	161.9324	4.0845	0.9989	0.0639	-	-	0.003	0.983
27	SW	9	-2.2014	7.1557	147.0313	8.4481	-	-	<0.001	0.981
34	AB	5	199.8960	2.7170	1.1527	0.0432	-	-	0.174	0.993
34	ABW	3	0.0388	0.0224	2.7414	0.1824	-	-	1.561	0.976
34	BR	1	0.0002	0.0002	3.7181	0.3813	-	-	0.398	0.943
34	FL	1	0.0004	0.0007	2.9618	0.5767	-	-	0.079	0.810
34	mABW	9	-26.8328	7.6177	175.9343	7.1404	-	-	<0.001	0.990
34	SB	9	3.1969	3.7240	16.0855	3.4907	-	-	<0.001	0.780
34	ST	9	-24.0531	7.8894	192.4834	7.3951	-	-	<0.001	0.991
34	SW	9	-27.2499	7.7506	176.3979	7.2650	-	-	<0.001	0.990
46	AB	5	179.6590	13.2469	0.9550	0.0547	-	-	0.744	0.982
46	ABW	3	0.1496	0.1328	2.3039	0.2466	-	-	0.380	0.940
46	BR	1	0.0034	0.0072	2.7393	0.5869	-	-	0.714	0.793
46	FL	1	0.0004	0.0008	2.8767	0.5191	-	-	0.256	0.841
46	mABW	10	-284.6728	83.9920	0.3143	0.0438	0.4332	0.1382	<0.001	0.966
46	SB	7	1.4579	4.8950	41.2037	4.1692	-	-	<0.001	0.942
46	ST	10	-316.3593	91.9174	0.3494	0.0479	0.4878	0.1512	<0.001	0.968
46	SW	10	-294.9502	88.0040	0.3186	0.0459	0.4437	0.1448	<0.001	0.964
59	AB	1	0.2435	0.2226	2.2380	0.2470	-	-	0.786	0.947
59	ABW	3	0.4038	0.2944	2.0836	0.1975	-	-	0.836	0.960
59	BR	1	0.0000	0.0000	4.7090	0.4945	-	-	1.260	0.964
59	FL	10	12.2483	6.7263	0.0082	0.0013	-0.0164	0.0078	<0.001	0.898
59	mABW	5	172.7567	25.4356	0.8904	0.0900	-	-	3.557	0.954
59	SB	1	0.0639	0.0266	1.9282	0.1132	-	-	0.618	0.984
59	ST	1	0.7330	0.4985	1.8974	0.1847	-	-	2.601	0.957
59	SW	5	172.1903	27.7482	0.8889	0.0985	-	-	2.799	0.945
68	AB	6	0.0030	0.0041	1.5220	0.1704	2.0752	0.5007	1.655	0.984
68	ABW	3	0.6557	0.5773	1.9157	0.2516	-	-	3.264	0.926
68	BR	6	0.0552	0.2675	3.7571	0.4909	-1.9808	1.5818	0.972	0.938
68	FL	6	0.0000	0.0000	1.0980	0.6476	3.1397	1.8639	0.034	0.803
68	mABW	6	0.0021	0.0024	1.3015	0.1468	2.3469	0.4301	0.584	0.987
68	SB	10	-65.3980	28.5070	0.0238	0.0143	0.1355	0.0557	<0.001	0.873
68	ST	6	0.0013	0.0016	1.2980	0.1566	2.5328	0.4565	1.164	0.986
68	SW	6	0.0023	0.0026	1.3303	0.1409	2.2837	0.4132	0.553	0.988
76	AB	7	-24.4629	56.6312	534.0750	46.7960	-	-	<0.001	0.956
76	ABW	3	1.4017	1.0686	1.7250	0.2138	-	-	3.865	0.925
76	BR	5	6.9297	2.0948	1.3505	0.2123	-	-	0.055	0.893
76	FL	6	0.0000	0.0000	1.3738	0.4437	2.7622	1.1472	0.006	0.748
76	mABW	4	1336.4402	84.5101	-26968.1885	2666.8200	-	-	<0.001	0.945

76	SB	6	0.0000	0.0001	2.0593	0.3126	2.2777	0.7711	0.326	0.914
76	ST	7	-3.8990	49.5803	474.8929	40.9697	-	-	<0.001	0.957
76	SW	4	1338.6716	85.2499	-27027.2462	2690.1676	-	-	<0.001	0.944
88	AB	7	-290.9563	128.3866	760.0439	88.9083	-	-	<0.001	0.924
88	ABW	3	0.4416	0.4401	2.0739	0.2703	-	-	7.626	0.918
88	BR	7	-44.5787	13.8922	61.8832	9.6204	-	-	<0.001	0.873
88	FL	7	-4.8755	1.2647	8.3841	0.8758	-	-	<0.001	0.939
88	mABW	7	-218.0409	91.3487	623.4028	63.2593	-	-	<0.001	0.942
88	SB	7	-9.2249	9.6652	50.6232	6.6932	-	-	<0.001	0.905
88	ST	7	-227.2036	100.0659	673.1040	69.2961	-	-	<0.001	0.940
88	SW	5	165.5567	28.5707	0.9310	0.1004	-	-	5.624	0.942
96	AB	8	-2565.2623	737.5435	0.5737	0.0534	73.6682	21.2191	<0.001	0.970
96	ABW	3	0.5532	0.6450	2.0193	0.3001	-	-	1.278	0.892
96	BR	5	3.3290	2.1150	1.6498	0.2878	-	-	0.724	0.870
96	FL	5	1.1592	0.8980	1.3332	0.3549	-	-	0.017	0.737
96	mABW	8	-2122.5397	482.2745	0.4439	0.0349	62.9869	13.8750	<0.001	0.979
96	SB	9	6.2332	14.5646	11.1694	1.8044	-	-	<0.001	0.865
96	ST	8	-2326.4234	551.2474	0.4812	0.0399	69.0508	15.8594	<0.001	0.977
96	SW	8	-2163.8432	499.2279	0.4439	0.0361	64.1697	14.3628	<0.001	0.977
106	AB	5	166.3487	22.0008	1.0427	0.0628	-	-	1.477	0.985
106	ABW	3	0.5379	0.3747	2.0524	0.1811	-	-	4.049	0.966
106	BR	6	0.1691	0.4418	4.2628	0.2519	-2.7745	0.6081	1.937	0.990
106	FL	1	0.0000	0.0000	3.7422	0.6474	-	-	0.377	0.890
106	mABW	5	159.7926	23.9829	0.9759	0.0715	-	-	0.361	0.977
106	SB	8	-150.9907	50.1299	0.0413	0.0042	4.5886	1.4002	<0.001	0.964
106	ST	5	178.1996	26.6103	0.9636	0.0712	-	-	1.039	0.977
106	SW	5	160.7189	24.7888	0.9720	0.0735	-	-	0.835	0.976
120	AB	5	182.4763	39.0245	0.9876	0.0952	-	-	6.270	0.958
120	ABW	3	0.2925	0.3140	2.2022	0.2745	-	-	5.341	0.932
120	BR	1	0.0001	0.0001	3.7479	0.6373	-	-	3.424	0.903
120	FL	7	-9.7036	4.0121	10.5079	2.0315	-	-	<0.001	0.817
120	mABW	6	0.0002	0.0005	1.5470	0.3230	2.6811	0.9636	1.208	0.966
120	SB	4	279.0118	33.6558	-6924.2597	1425.2975	-	-	<0.001	0.797
120	ST	6	0.0017	0.0047	1.5064	0.3351	2.1543	0.9931	4.826	0.957
120	SW	6	0.0005	0.0013	1.5226	0.3206	2.4519	0.9542	2.386	0.964

Components: AB – aboveground biomass, ABW – aboveground woody biomass (ST+BR), BR – living branches, FL – foliage, mABW – merchantable ABW, SB – stem bark, ST – stem (SB + SW), SW – stem wood.

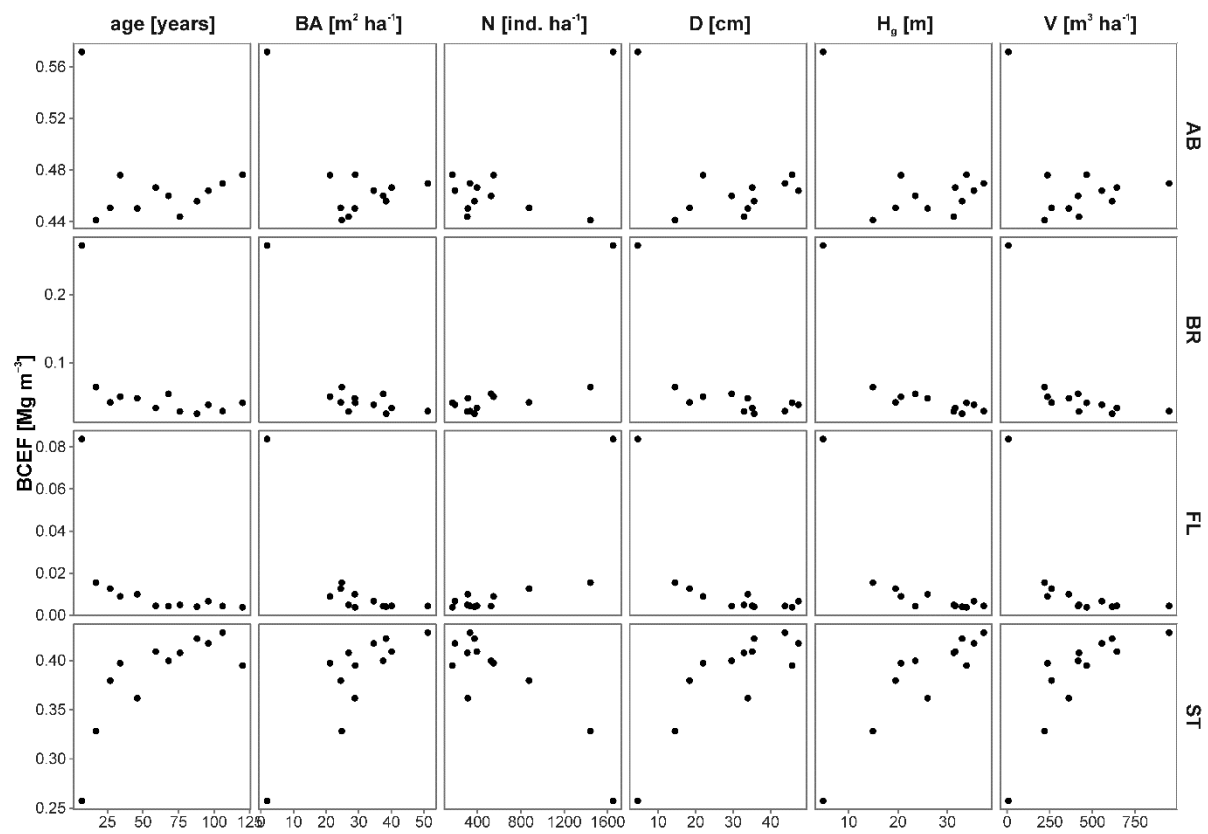


Figure S1. Scatterplots showing BCEEfs for all forest stands studied and forest stand parameters.